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Attorney's Docket No.: 13162-018US1 / 2032642US/HU/JSE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jarmo Smahl  
Serial No. : 10/580,598  
Filed : May 25, 2006  
Title : PIPE FITTING

Art Unit : Unknown  
Examiner : Unknown  
Conf. No. : 4973

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**POWER OF ATTORNEY BY ASSIGNEE AND ELECTION OF  
ASSIGNEE TO CONDUCT PROSECUTION TO EXCLUSION OF INVENTORS**

Under 37 CFR §3.73(b), Uponor Innovation AB, a Sweden Corporation, certifies that it is the assignee of 100% of the right, title and interest in the above-identified patent application by virtue of an assignment from the inventor of this patent application to Uponor Innovation AB (copy enclosed).

The undersigned has reviewed all the documents in the chain of title of the above-identified patent application and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby appoints

Y. ROCKY TSAO  
Registration No. Reg. No. 34,053

and

TONY ZHANG  
Registration No. L0256

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*November 30, 2006*  
Date of Deposit

*Diane M. Saturno*  
Signature

*Diane M. Saturno*  
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Page : 2 of 2

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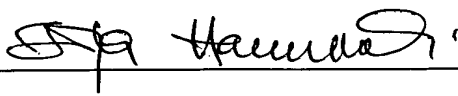
as its attorneys to prosecute the application and to transact all business in the Patent and Trademark Office connected therewith with full powers of substitution and revocation, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 CFR §3.71 *et seq.* of the Patent Office Rules of Practice.

Direct all telephone calls to Y. ROCKY TSAO at telephone number (617) 542-5070.

Please direct all communication regarding the application to:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Signature:   
Typed name: **Irja Hannimäki**  
Title: Group Patent Services Manager  
Assignee: Uponor Innovation AB  
Date: 17 November 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 25, 2006

PTAS

**\*700288353A\***Y. ROCKY TSAO  
FISH & RICHARDSON P.C.  
225 FRANKLIN STREET  
BOSTON, MA 02110**\*700288353A\*****UNITED STATES PATENT AND TRADEMARK OFFICE  
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RECORDATION DATE: 09/22/2006

REEL/FRAME: 018297/0667  
NUMBER OF PAGES: 2BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 13162-018US1ASSIGNOR:  
SMAHL, JARMO

DOC DATE: 09/11/2006

ASSIGNEE:  
UPONOR INNOVATION AB  
INDUSTRIVAGEN  
SE-51381, FRISTAD, SWEDENSERIAL NUMBER: 10580598  
PATENT NUMBER:  
TITLE: PIPE FITTINGFILING DATE:  
ISSUE DATE:

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JEEVON JONES, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION



09/22/2006  
700288353

Substitute Form PTO-1585  
Attorney Docket No.: 13162-018US1  
Client's Ref. No.: 2032842US/HUI/JSE

## RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Jarmo Smahl Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Uponor Innovation AB Industrivägen SE-51381, Fristad, Sweden Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 09/11/2006	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 10/580,598 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: Y. ROCKY TSAO Fieh & Richardson P.C. 225 Franklin Street Boston, MA 02110	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account 8. Deposit Account No.: 06-1060 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1060.
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9. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.	
Y. Rocky Tsao Reg. No. 34,053 Name of Person Signing	<u>Y. Rocky Tsao</u> Signature <u>9-22-06</u> Date
Total number of pages including coversheet, attachments and document: 2	

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### CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

9-22-06      Diane M. Saterus      Diane M. Saterus  
Date of Transmission      Signature      Typed Name of Person Signing Certificate

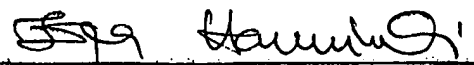
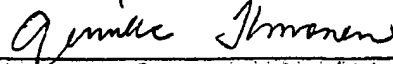
ASSIGNMENT

For valuable consideration, I, JARMO SMAHL of Nastola, Finland, hereby assign to Uponor Innovation AB, a Sweden corporation having a place of business at Industrivägen, SE-51381, Fristad, Sweden; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled PIPE FITTING, filed 5/25/2006, and assigned U.S. Serial Number 10/580,598, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Nastola  
this 11 day of September, 2006

  
\_\_\_\_\_  
JARMO SMAHL

L.S.

  
\_\_\_\_\_  
Witness EEVA HAAVILUOMA  
  
\_\_\_\_\_  
Witness GUNILLA IHONEN

11.9.2006  
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Date  
11.9.2006  
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Date